ABSTRACT

An embodiment of the invention provides a method of improving accuracy in fraud screening for online transactions, including: providing a security cookie to a computer of a customer who accesses a website, where the security cookie includes a unique identifier (ID) that is assigned to the customer; and if the customer accesses the website at a subsequent time, checking if the customer has exceeded a velocity value based upon the unique ID of the user. If the customer has exceeded the velocity value, then the order is placed in an outsort queue for fraud analysis. Alternatively, if the customer has exceeded the velocity value, then the velocity value along with other indicators relating to the order are evaluated by an electronic commerce fraud detection module to determine if the order is to be placed in an outsort queue for fraud analysis. A velocity value may be defined as the number of orders placed by the customer to the website within a particular defined time period.